

## Product datasheet for **MC203203**

### Lsm6 (NM\_030145) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lsm6 (NM_030145) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lsm6
Synonyms:	1500031N17Rik; 2410088K19Rik; A1747288
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >BC030427  
 CCACGCGTCCGGCGGAAGCCCGCCTGTGAGCGTTCTGGATCCGGCTGCAAGGGTTGTTAAACATGAGCC  
 TCGGGAAGCAAACCCCTAGCGACTTCTTAAAGCAGATCATCGGACGGCCAGTTGTGGTGAATTAATTC  
 TGGCGTGGATTATCGAGGGGTCTGGCCTGCCTGGATGGCTACATGAATATAGCCCTGGAACAGACAGAG  
 GAGTATGTAATGGACAGCTGAAGAATAAGTACGGAGATGCGTTCATCCGAGGAAACAATGTGCTGTACA  
 TAAGTACACAGAAGAGGCGGATGTGAAGACACCAGGAGGCAGTGCCTTCAGAGATGGATAGATGAAGTG  
 GTTTGGTCTCTTACCATCTTAGTTGGCCTGTTTTTCATGGTGGTTGGTGGGGTTGTTGTTGTTG  
 TTTGTTTAAATTGACATTGGAATAAGATAGAGGCATTGCATTACAGATTGACTCTTAAAGTTTTTCACATTT  
 ATGTCTCAGTCTTTATCATTTCTGCCTGTACAGAATGCTAAAACAAAACAGTTTGTCTCCAGGATTA  
 TTTTACCTAAGATTCTGCCCTGTCAATCCATTGGTTGATTACGTATTACAGCTGACTAAGTGGTACATCC  
 CGGAACCTGTGATCAAGCATTCTGGAGGCATCCTTTGTCTCTTCTACTACCATCCGTACCATTTAA  
 AGCAGGTAGATAGAAAGTCATATGGTTTCAGCCTTGGGCTATAAAGGGACAAGAGGTGAGAAAATCAGCT  
 GTTTATTTAGTCACCTAGTTAGTGGTGGTATCTCCACAAAGGAGTGCAACTGTAGAGTCAGGAATTGGAA  
 AGGTACAGCCAGTGAGGTGAGACACTGCCTGGAAGCCTCTGTGCAGTTAGACTTTCATGTTAACTTGC  
 TCCTGTTGAGAGTGTGGTGAATGGCTGGTTACGCCAGCCAGGGGAGGAGCTCTACTGTTCTCTGAGAA  
 ACTGGCTGTGGCTGAGGTGGTGAAGCCAGAGTGCTTAGACTCAGTTTCCAGGCACTGAGCTTCGGCTG  
 CGAAAGTTTTCTCCTGCTTTTTGCTTTAGCAAGTGGCCTTGGGAAAGGGTTGATTCTTGGCCTCAGGT  
 CACGTGACTCCCCTGAGCGGGCTTGTGCTGTCTGTGGACTGTGTGGGTCTTTGGTTGCATGGACGCTA  
 GGGCTTTCCTTACCCTCCTTCAATCTAAACAGATCCCTGTCTCGGGAGGTGCGACAGTTTAGAGCAATT  
 GCCCGGCTGGAGGAAGTGGAGGCAGATGGACAGCTAAGGAGGGAGGGTGTCTTTCTGGAGAGGTGATA  
 TATGGCATTGTCTAATTTAAATAGTAATCAGAAACAATTAATAACTCAGGAAAGAGAGGAGTAAGTTT  
 GATGGTGTGCACACTGAAATAAAACACTTTATCCTAAGCTTCAGTAATTCATCACTTCTGACAGGGGC  
 TTGCAAAGGCACCAGTGTGAAGTACAAATCACCAATTTGCTCTTTTATAAATGGCTTCTTTAAAGGAGA  
 AAATGGATGTCTCTCGGAGTGGAGCACACATGTTCTCATTGTTTTTATAGAGTGTGTGAGGCCCCAGGT  
 TACTGCATCCCTTATTATCCCTCAGCTGCCCTGAAAGCAGTCTGCTGTTATCTCCAGCAGTCTGTA  
 ACATCCCGGCTCTGCTCATTTCTCCCTGACCTCCCTCCAGCCTGCAGGTCTTTATTTCCCTCTTCCCAT  
 TTCTAGCTTAATAGCGCTACTGCAGAATATTGTTTTTCATCCATGGAACCGCTTTTAAATCAAGATGGACTT  
 TGGGAAATGCTACCATTTTATGGTAATAACCATATTATGCATCTGGACCAGCACATGTTGTCCCCTGTG  
 CATACCTCTTGTGATAGAATTCTGAAACAAATGTAAATGGTAAAATTACTTTTTTTTTTAAAAAAAAAAAA AAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_030145

**Insert Size:** 243 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC030427](#), [AAH30427](#)

RefSeq Size: 1965 bp

RefSeq ORF: 243 bp

Locus ID: 78651

UniProt ID: [P62313](#)

Cytogenetics: 8 C1

**Gene Summary:** Plays role in pre-mRNA splicing as component of the U4/U6-U5 tri-snRNP complex that is involved in spliceosome assembly, and as component of the precatalytic spliceosome (spliceosome B complex). The heptameric LSM2-8 complex binds specifically to the 3'-terminal U-tract of U6 snRNA. Component of LSm protein complexes, which are involved in RNA processing and may function in a chaperone-like manner, facilitating the efficient association of RNA processing factors with their substrates. Component of the cytoplasmic LSM1-LSM7 complex, which is thought to be involved in mRNA degradation by activating the decapping step in the 5'-to-3' mRNA decay pathway.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) lacks an exon in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.